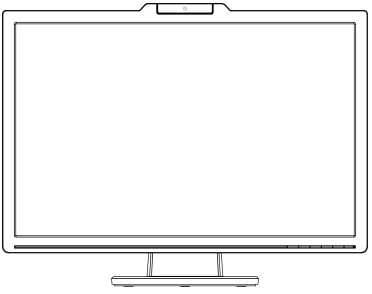
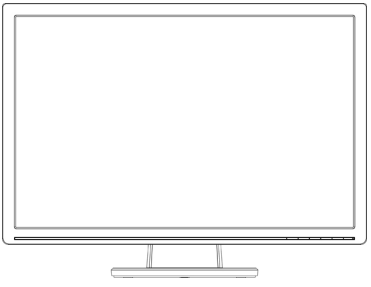
E3949 V1
August 2008

VK266/VW266 Series LCD Monitor

User Guide



VK266



VW266

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Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with manufacturer' s instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

As an Energy Star® Partner, our company has determined that this product meets the Energy Star® guidelines for energy efficiency.

Canadian Department of Communications Statement

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

This class B digital apparatus complies with Canadian ICES-003.

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Safety information

- Before setting up the monitor, carefully read all the documentation that came with the package.
- To prevent fire or shock hazard, never expose the monitor to rain or moisture.
- Never try to open the monitor cabinet. The dangerous high voltages inside the monitor may result in serious physical injury.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- Slots and openings on the back or top of the cabinet are provided for ventilation. Do not block these slots. Never place this product near or over a radiator or heat source unless proper ventilation is provided.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
- Use the appropriate power plug which complies with your local power standard.
- Do not overload power strips and extention cords. Overloading can result in fire or electric shock.
- Avoid dust, humidity, and temperature extremes. Do not place the monitor in any area where it may become wet. Place the monitor on a stable surface.
- Unplug the unit during a lightning storm or if it will not be used for a long period of time. This will protect the monitor from damage due to power surges.
- Never push objects or spill liquid of any kind into the slots on the monitor cabinet.
- To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100-240V AC.
- If you encounter technical problems with the monitor, contact a qualified service technician or your retailer.

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Care & Cleaning

- Before you lift or reposition your monitor, it is better to disconnect the cables and power cord. Follow the correct lifting techniques when positioning the monitor. When lifting or carrying the monitor, grasp the edges of the monitor. Do not lift the display by the stand or the cord.
- Cleaning. Turn your monitor off and unplug the power cord. Clean the monitor surface with a lint-free, non-abrasive cloth. Stubborn stains may be removed with a cloth dampened with mild cleaner.
- Avoid using a cleaner containing alcohol or acetone. Use a cleaner intended for use with the LCD. Never spray cleaner directly on the screen, as it may drip inside the monitor and cause an electric shock.

The following symptoms are normal with the monitor:

- The screen may flicker during the initial use due to the nature of the fluorescent light. Turn off the Power Switch and turn it on again to make sure that the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- When the same image is displayed for hours, an afterimage of the previous screen may remain after switching the image. The screen will recover slowly or you can turn off the Power Switch for hours.
- When the screen becomes black or flashes, or cannot work anymore, contact your dealer or service center to fix it. Do not repair the screen by yourself!

Conventions used in this guide

WARNING: Information to prevent injury to yourself when trying to complete a task.

CAUTION: Information to prevent damage to the components when trying to complete a task.

IMPORTANT: Information that you MUST follow to complete a task.

NOTE: Tips and additional information to aid in completing a task.

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Where to find more information

Refer to the following sources for additional information and for product and software updates.

1. **ASUS websites**

   The ASUS websites worldwide provide updated information on ASUS hardware and software products. Refer to **http://www.asus.com**

2. **Optional documentation**

   Your product package may include optional documentation, such as warranty card, that may have been added by your dealer. These documents are not part of the standard package.

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1.1 Welcome!

Thank you for purchasing the ASUS® VK266/VW266 Series LCD monitor!

The latest widescreen LCD monitor from ASUS provides a crisper, broader, and brighter display, plus a host of features that enhance your viewing experience.

With these features, you can enjoy the convenience and delightful visual experience that the VK266/VW266 Series brings you!

1.2 Package contents

Check your VK266/VW266 Series LCD package for the following items:

- ✓ LCD monitor
- ✓ Monitor base
- ✓ 1 x CD
- ✓ Quick Start Guide
- ✓ 1 x Power cord
- ✓ 1 x VGA cable
- ✓ 1 x WebCam USB cable(Only for some models)
- ✓ 1 x DVI cable (Only for some models)
- ✓ 1 x Audio cable

If any of the above items is damaged or missing, contact your retailer immediately.

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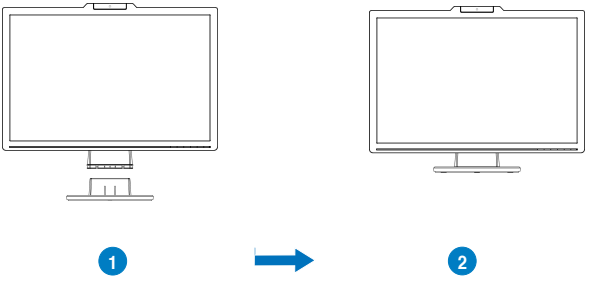
1.3 Assembling the monitor base

To assemble the monitor base:

1. Connect the base with the monitor. A click indicates that the base has been connected successfully.
2. Adjust the monitor to the angle that is most comfortable for you.

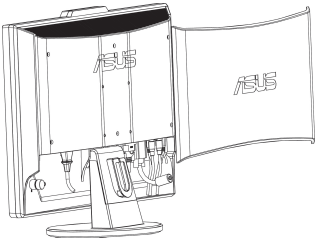
We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.



1.4 Connect cables

To connect cables:

1. Remove back cover by hand carefully.
2. Connect cables which you need base on chapter 1.5.2, Page1-4.



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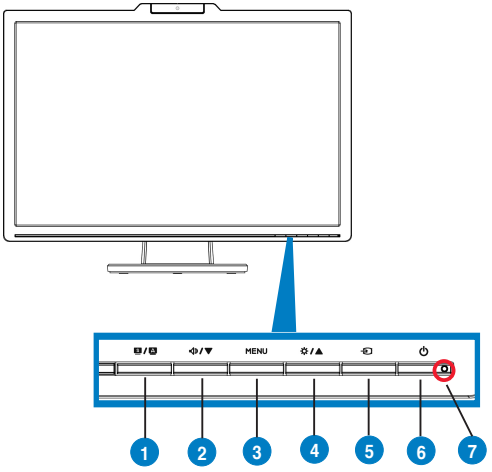
1.5 Monitor introduction

1.5.1 Front of the LCD monitor



1. S/A button:
   - Automatically adjust the image to its optimized position, clock, and phase by long pressing this button for 2-4 seconds (for VGA mode only).
   - Use this hotkey to switch from five video preset modes (Game Mode, Night View Mode, Scenery Mode, Standard Mode, Theater Mode) with SPLENDID™ Video Enhancement Technology.
   - Exit the OSD menu or go back to the previous menu as the OSD menu is active.
2. ◀/▼ Button:
   - Press this button to decrease the value of the function selected or move to the next fuction.
   - This is also a hotkey for Volume adjustment.
3. MENU Button:
   - Press this button to enter/select the icon (function) highlighted while the OSD menu is activated.
4. ☼/▲ Button:
   - Press this button to increase the value of the function selected or move to the previous fuction.
   - This is also a hotkey for Brightness adjustment.
5. Input Select Button
   Use this hotkey to switch from VGA,DVI,HDMI, Component input signal. (for some models)

Press (Input Select Button) to display HDMI and component signals after you connect cable with monitor.

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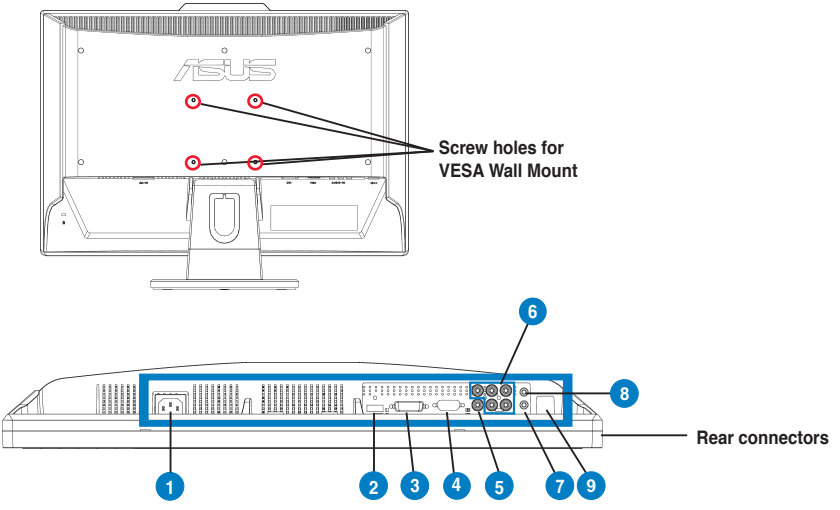
6. Power button
   - Press this button to turn the monitor on/off.
7. Power indicator
   - The color definition of the power indicator is as the below table.

Status	Description
Blue	ON
Amber	Standby mode
OFF	OFF

1.5.2 Rear of the LCD monitor



1	**AC-IN port**
2	**HDMI-IN port**
3	**DVI port**
4	**VGA port**
5	**SPDIF Out Port Of HDMI**
6	**YPbPr Ports + L/R Audio Ports**
7	**Line - in Port**
8	**Earphone - out Port**
9	**USB-IN port (Only for some models)**

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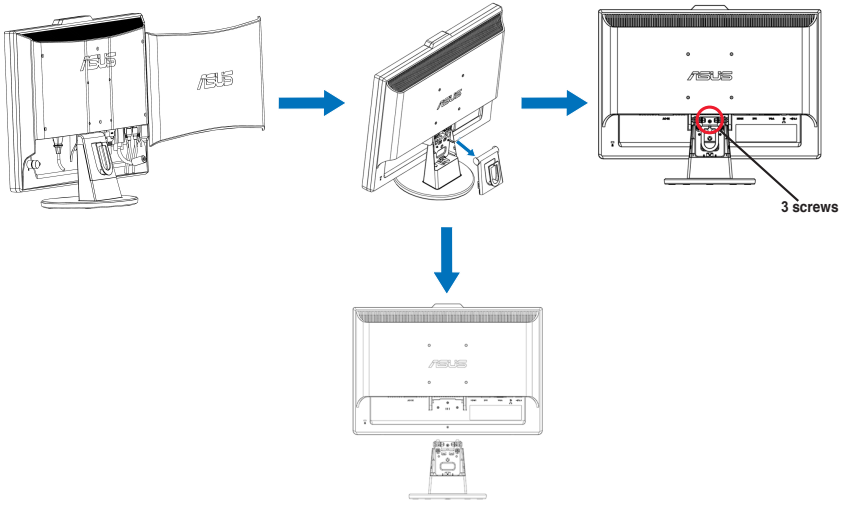
2.1 Detaching the arm/stand (for VESA wall mount)

The detachable stand of the VK266/VW266 Series LCD monitor is specially designed for VESA wall mount.

To detach the arm/stand:

1. Remove the back cover by hand carefully.
2. Remove the arm cover by hand carefully.
3. Have the front of the monitor face down on a table carefully. Use a screwdriver to remove the three screws on the stand of the monitor as the below drawing shows.
4. Detach the arm from the monitor.

- We recommend that you cover the table surface with soft cloth to prevent damage to the monitor.
- Hold the stand of the monitor when you remove the screws.



The VESA wall mount kit (100 mm x 100 mm) is purchased separately.

For use only with UL Listed Wall Mount Bracket with minimum weight/load 7.9 Kg (Screw size: 4mm x 12 mm)

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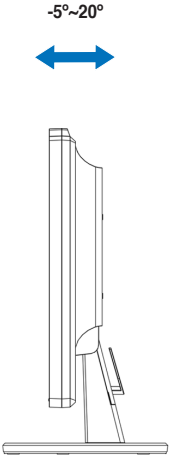
2.2 Adjusting the monitor

- For optimal viewing, we recommend that you look at the full face of the monitor, then adjust the monitor to the angle that is most comfortable for you.
- Hold the stand to prevent the monitor from falling when you change its angle.
- You can adjust the monitor's angle from -5º to 20º.



2.3 Install Life-Frame 2 software

ASUS VK266 series provides the easy-to-use LifeFrame 2 software that can work with the webcam,allowing users to create their own photos or video clips.

- LifeFrame 2 only supports Microsoft® Windows® Vista/XP Service Pack 2 operating systems.
- The LifeFrame 2 software is bundled in the support CD.

Installation instructions

1. Close all other applications.
2. Insert the support CD into the optical drive and run the LifeFrame 2 program.
3. Follow the on-screen instructions to complete the installation.

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3.1 OSD (On-Screen Display) menu

3.1.1 How to reconfigure

1. Press the MENU button to activate the OSD menu.

2. Press ▼ and ▲ to navigate through the functions. Highlight and activate the desired function by pressing the MENU button. If the function selected has a sub-menu, press ▼ and ▲ again to navigate through the sub-menu functions. Highlight and activate the desired sub-menu function by pressing the MENU button.
3. Press ▼ and ▲ to change the settings of the selected function.
4. To exit the OSD menu, press the S button. Repeat step 2 and step 3 to adjust any other function.

3.1.2 OSD Function Introduction

1. Spendid

This function contains five sub-functions you can select for your preference. Each mode has the Reset selection, allowing you to maintain your setting or return to the preset mode.

- **Scenery Mode**: best choice for scenery photo display with SPLENDID™ Video Enhancement.
- **Standard Mode**: best choice for document editing with SPLENDID™ Video Enhancement.
- **Theater Mode**: best choice for movie with SPLENDID™ Video Enhancement.
- **Game Mode**: best choice for game playing with SPLENDID™ Video Enhancement.
- **Night View Mode**: best choice for dark-scene game or movie with SPLENDID™ Video Enhancement.

- In the Standard Mode, the **Satuation** and ASCR functions are not user-configurable.
- In the other modes, the **sRGB** function is not user-configurable.

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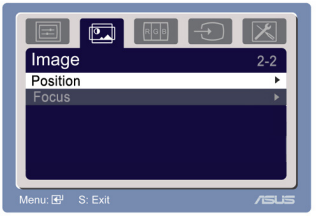
2. Image

You can adjust brightness, contrast, sharpness, saturation,position (VGA only), and focus (VGA only) from this main function.

P1

P2

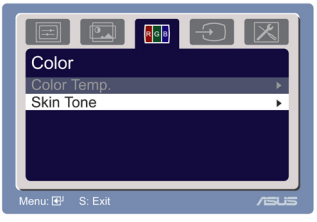


- Brightness: the adjusting range is from 0 to 100. ☼ is a hotkey to activate this function.
- Contrast: the adjusting range is from 0 to 100.
- Sharpness: the adjusting range is from 0 to 100.
- Saturation: the adjusting range is from 0 to 100.
- ASCR:Select YES or NO to enable or disable dynamic contrast ratio function. (for some models)
- Over Drive:To speed up the response time by Over drive technology. the adjusting range is from 0 to 100(for some models)
- Position: adjusts the horizontal postition (H-Position) and the vertical position (V-Position) of the image. The adjusting range is from 0 to 100.
- Focus: reduces Horizonal-line noise and Vertical-line noise of the image by adjusting (Phase) and (Clock) separately. The adjusting range is from 0 to 100.

- Phase adjusts the phase of the pixel clock signal. With a wrong phase adjustment, the screen shows horizontal disturbances.
- Clock (pixel frequency) controls the number of pixels scanned by one horizontal sweep. If the frequency is not correct, the screen shows vertical stripes and the image is not proportional.

3. Color

Select the image color you like from this function.



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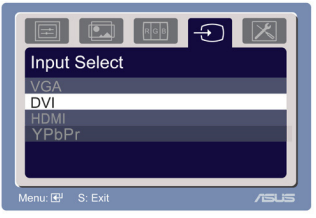
- Color Temp.: contains five color modes including Cool, Normal, Warm, sRGB, and User mode.
- Skin Tone: contains three color modes including Reddish, Natural, and Yellowish.

In the User mode, colors of R (Red), G (Green), and B (Bluee) are user-configurable; the adjusting range is from 0-100.

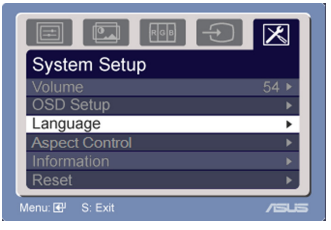
4. Input Select

In this function, you can select VGA,DVI,HDMI, YPbPr input source. (Only for some models)



5. System Setup

Allow you to adjust the system.



- Volume: the adjusting range is from 0 to 100. is a hotkey to activate this function.
- OSD Setup: adjusts the horizontal postition (H-Position) and the vertical position (V-Position) of the OSD. The adjusting range is from 0 to 100. In the OSD Timeout selection, you can adjust the OSD timeout from 10 to 120.
- Language: there are ten languages for your selection, including English, German, Italian, French, Dutch, Spanish, Russian, Traditional Chinese, Simplified Chinese, Japanese, and Korean.
- Aspect Controls: adjusts the aspect ratio to “Full” or “4:3”. (for some models)
- Information: shows the monitor information.
- Reset: “Yes” allows you to revert to the preset mode.

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3.2 Specifications summary

For VK266/VW266 series models

Model	VK266H	VW266H
Panel Size	25.5"W	25.5"W
Max. Resolution	1920x1200	1920x1200
Brightness (Max.)	≧300cd/㎡	≧300cd/㎡
Intrisinc Contrast Ratio (Max.)	≧1000:1	≧1000:1
Viewing Angle (CR=10)	≧160°(V) ; ≧170°(H)	≧160°(V) ; ≧170°(H)
Display Colors	16.7 M(6bit Hi FRC)	16.7 M(6bit Hi FRC)
Response Time	2ms (Gray to Gray)	2ms (Gray to Gray)
Webcam (built-in)	2.0M	-
Satellite Speaker	3W x 2 stereo	3W x 2 stereo
Earphone Output	Yes	Yes
Sound from HDMI	Yes	Yes
HDMI input	Yes	Yes
DVI input	DVI with HDCP	DVI with HDCP
D-Sub input	Yes	Yes
Audio Line-in	Yes	Yes
RCA 3x2(YPbPr, R/L, SPIDIF)	Yes	Yes
Power ON Consumption	85W	85W
Tilt	+25° ~ -5°	+25° ~ -5°
VESA Wall Mounting	Yes (100mm x 100mm)	Yes (100mm x 100mm)
Phys. Dimension (WxHxD)	596x461x240	596x449x240
Box Dimension (WxHxD)	693x528x206	693x528x206
Net Weight (Esti.)	7.9	7.9
Gross Weight (Esti.)	11.1	11.1
Voltage Rating	AC:100~240V(Built-in)	AC:100~240V(Built-in)

***Specifications are subject to change without notice.**

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3.3 Troubleshooting (FAQ)

Problem	Possible Solution
Power LED is not ON	• Press the ⏻ button to check if the monitor is in the ON mode. • Check if the power cord is properly connected to the monitor and the power outlet.
The power LED lights amber and there is no screen image	• Check if the monitor and the computer are in the ON mode. • Make sure the signal cable is properly connected the monitor and the computer. • Inspect the signal cable and make sure none of the pins are bent. • Connect the computer with another available monitor to check if the computer is properly working.
Screen image is too light or dark	• Adjust the Contrast and Brightness settings via OSD.
Screen image is not centered or sized properly	• Press the A button for two seconds to automatically adjust the image. • Adjust the H-Position or V-Position settings via OSD.
Screen image bounces or a wave pattern is present in the image	• Make sure the signal cable is properly connected to the monitor and the computer. • Move electrical devices that may cause electrical interference.
Screen image has color defects (white does not look white)	• Inspect the signal cable and make sure that none of the pins are bent. • Perform Reset via OSD. • Adjust the R/G/B color settings or select the Color Temperature via OSD.
Screen image is blurry or fuzzy	• Press the A button for two seconds to automatically adjust the image (for VGA mode only). • Adjust the Phase and Clock settings via OSD.
No sound or sound is low	• Ensure that the audio cable is properly connected to the monitor and the computer • Adjust the volume settings of both your monitor and computer. • Ensure that the computer sound card driver is properly installed and activated.
Webcam is not working	• Make sure that you have connected the USB 2.0 cable securely to both the LCD monitor and your computer. • Make sure that you use the Microsoft® Windows® Vista/XP Service Pack 2 operation systems.

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3.4 VK266/VW266 PC Supported Timing List

VESA Modes, Factory Preset Timings					
Mode	**Input Aspect Ratio**	**Resolution**	**H(KHz)**	**V(Hz)**	**Pixel(MHz)**
VGA	4:3	640x480,60Hz	31.469	59.94	25.175
		640x480,72Hz	37.861	72.809	31.5
		640x480,75Hz	37.5	75	31.5
		640x480, 85Hz	43.269	85.008	36
SVGA	4:3	800x600,56Hz	35.156	56.25	36
		800x600,60Hz	37.879	60.317	40
		800x600,72Hz	48.077	72.188	50
		800x600,75Hz	46.875	75	49.5
		800x600,85Hz	53.674	85.061	56.25
XGA	4:3	1024x768,60Hz	48.363	60.004	65
		1024x768,70Hz	56.476	70.069	75
		1024x768,75Hz	60.023	75.029	78.75
		1024x768,85Hz	68.677	84.997	94.5
SXGA	4:3	1152x864,75Hz	67.5	75	108
		1280x960,60Hz	60	60	108
	5:4	1280x1024,60Hz	63.981	60.02	108
		1280x1024,75Hz	79.976	75.025	135
WXGA+	16:10	1440x900,60Hz	55.935	59.887	106.5
		1440x900,75Hz	70.635	79.984	136.75
WSXGA	16:10	1680x1050,60Hz	65.29	59.954	146.25
1080P	16:9	1920x1080, 60Hz	67.5	60	148.5
WUXGA	16:10	1920x1200,60Hz	74.038	59.95	154

IBM Modes, Factory Preset Timings(D-SUB, DVI-D, HDMI inputs)					
Mode	**Input Aspect Ratio**	**Resolution**	**H(KHz)**	**V(Hz)**	**Pixel(MHz)**
DOS		640x350, 70Hz	31.469	70.087	25.175
		640x350,85Hz	37.861	85.08	31.5
DOS		720x400, 70Hz	31.469	70.087	28.322
		720x400,85Hz	37.927	85.039	35.5
MAC Modes, Factory Preset Timings(D-SUB, DVI-D, HDMI inputs)					
Mode	**Input Aspect**	**Resolution**	**H(KHz)**	**V(Hz)**	**Pixel(MHz)**
VGA	4:3	640x480, 67Hz	35	66.667	30.24
SVGA	4:3	832x624, 75Hz	49.725	74.551	57.2832
VESA Modes, User Available Timings					
Mode	**Input Aspect**	**Resolution**	**H(KHz)**	**V(Hz)**	**Pixel(MHz)**
720P	16:9	1280x720, 60Hz	44.772	59.855	74.5
	16:9	1280x720, 75Hz	56.456	74.777	95.75
WXGA+		1280x768, 60Hz	47.776	59.87	79.5
		1280x768, 75Hz	60.289	74.893	102.25
	16:10	1280x800, 60Hz	49.702	59.81	83.5
	16:10	1280x800, 75Hz	62.795	74.934	106.5
1080P	16:9	1920x1080, 60Hz	66.587	59.934	138.5

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VK266H/VW266H HDMI Supported Primary Timings

Mode	Input Aspect	Resolution	H(KHz)	V(Hz)	Pixel(MHz)
480i	4:3	720(1440)x480i 59.94/60 Hz	15.734/ 15.75	59.94 / 60	27 /27.027
	16:9	720(1440)x480i 59.94/ 60 Hz	15.734/ 15.75	59.94 / 60	27 /27.027
480P	4:3	640x480P 59.94 / 60 Hz	31.469/31.5	59.94/60	25.175/25.2
	4:3	720x480P 59.94 / 60 Hz	31.469 / 31.5	59.94 / 60	27 /27.027
	16:9	720x480P 59.94 / 60 Hz	31.469 / 31.5	59.94 / 60	27 /27.027
576i	4:3	1440x576i, 50	15.625	50	27
	16:9	1440x576i, 50	15.625	50	27
576P	4:3	720x576P, 50Hz	31.25	50	27
	16:9	720x576P, 50Hz	31.25	50	27
720P	16:9	1280x720P,	37.5	50	74.25
	16:9	1280x720P 59.94 / 60 Hz	44.955/45	59.94/60	74.176/74.25
1080i	16:9	1920x1080i,	28.125	50	74.25
	16:9	1920x1080i 59.94/ 60 Hz	33.716/ 33.75	59.94/60	74.176/74.25

VK266H/VW266H HDMI Supported Optional Timings

Mode	Input Aspect	Resolution	H(KHz)	V(Hz)	Pixel(MHz)
480P	4:3	1440x480P 59.94/ 60 Hz	31.469/ 31.5	59.94/60	54/54.054
	16:9	1440x480P 59.94 / 60 Hz	31.469/ 31.5	59.94/60	54/54.054
576P	4:3	1440x576P, 50Hz	31.25	50	54
	16:9	1440x576P, 50Hz	31.25	50	54
1080P	16:9	1920x1080P, 50Hz	56.25	50	148.5
	16:9	1920x1080P, 59.94 /60 Hz	67.433/67.5	59.94/60	148.352/ 148.5

VK266H/VW266H YPbPr Input List

Mode	Input Aspect	Resolution	H(KHz)	V(Hz)	Pixel(MHz)
480i	4:3	720x480i 59.94 Hz	15.734	59.94	13.5
480P	4:3	720x480P 60 Hz	31.5	60	27
576i	4:3	720x576i 50 Hz	15.625	50	13.5
576P	4:3	720x576P 50Hz	31.25	50	27
720P	16:9	1280x720P 50Hz	37.5	50	74.25
	16:9	1280x720P 59.94/60 Hz	44.955/45	59.94/60	74.176/74.25
1080i	16:9	1920x1080i 50Hz	28.125	50	74.25
	16:9	1920x1080i 59.94 Hz	33.716/ 33.75	59.94/60	74.176/74.25
1080P	16:9	1920x1080P 50 Hz	56.25	50	74.25
	16:9	1920x1080P 59.94/60 Hz	67.432/ 67.5	59.94/60	148.5

*** Modes not listed in the above tables may not be supported. For optimal resolution, we recommend that you choose a mode listed in the above tables**

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